Cluster Progress

April 8, 2019

NAS-0 Drive Failures

- There have been 3 drive failures in NAS-0.
- The spares have been used to replace two of the failures.
- One failed drive remains in the array.
- New 750GB drives have been ordered!

NAME	STATE	READ	WRITE	CKSUM
nas0	DEGRADED	0	0	0
raidz2-0	DEGRADED	0	0	0
scsi-1AMCC_5QD4ZKX0000000000000	ONLINE	0	0	0
scsi-1AMCC_5QD4ZBRM000000000000	ONLINE	0	0	0
scsi-1AMCC_5QD3Y6B000000000000	ONLINE	0	0	0
scsi-1AMCC_5QD4ZKX6000000000000	DEGRADED	0	0	0
spare-4	DEGRADED	0	0	21
6899675744520945633	FAULTED	0	0	0
sdi	ONLINE	0	0	0
spare-5	DEGRADED	0	0	0
1444079240444541044	FAULTED	0	0	0
sdo	ONLINE	0	0	0
raidz2-1	ONLINE	0	0	0
scsi-1AMCC_5QD3XXK9000000000000	ONLINE	0	0	0
scsi-1AMCC_9QKZG9GZ000000000000	ONLINE	0	0	0
scsi-1AMCC_9QKZAXYP000000000000	ONLINE	0	0	0
scsi-1AMCC_W013570B000000000000	ONLINE	0	0	0
scsi-1AMCC_5QD3XZCM000000000000	ONLINE	0	0	0
scsi-1AMCC_3QD1GLJK000000000000	ONLINE	0	0	0
spares				
sdo	INUSE	currently in use		
sdi	INUSE	currently in use		

Software Configuration

HTCondor Testing:

- We created and submitted a sample job.
- It didn't work.

Preparing SE Software:

HDFS	filesystem for the SE's data drive
PhEDEx	for transferring data from remote sources
Squid	for easing data transfer
XRootD	for data management